

## Abstract

The invention relates to a process for managing resources in a communication network comprising at least two communication buses linked by way of a wireless transmission bridge, the said bridge comprising for each bus a real portal connected to this bus, each portal being furnished with wireless communication means.

The process is characterized by the steps:

- modelling the said wireless bridge by each real portal in the form of virtual buses and virtual bridges, each virtual bridge comprising two virtual portals;
- emulating a global register of passband availability for the entire wireless bridge;
- reserving passband with the said global register for each wireless link participating in a communication.

The invention applies in particular in field of home automation.

Figure 2

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